

Appln. No. 10/613,404

Docket No. 304-811

Amendment

Reply to Office Action dated September 10, 2004

AMENDMENTS TO THE ABSTRACT

A method for measuring the temperature of a cooking vessel or saucepan ~~by means of using~~ a radiant heater ~~is described~~. The radiant heater has a heating coil with a corresponding control and an induction coil as an inductive sensor and which is located in a metal tray. With the inductive sensor, measurement takes place of the frequency of the inductive resonant circuit comprising saucepan, heating coil, induction coil and metal tray, which is dependent on the temperature of the components. In the control is stored known slopes or paths of the temperature and therefore the frequency of the metal tray over the time. From this the control ~~means~~ gathers correction values in order to produce from the measured curve a compensated curve. At characteristic points, such as the start of a cooking or boiling process or an empty cooking or boiling of the saucepan, it is possible to detect ~~said~~ the temperatures.